



Properties and Possible Applications for Lignin Streams Obtained from Rice Straw Processing

Mussatto, Solange I.

Publication date:
2017

Document Version
Publisher's PDF, also known as Version of record

[Link back to DTU Orbit](#)

Citation (APA):
Mussatto, S. I. (2017). *Properties and Possible Applications for Lignin Streams Obtained from Rice Straw Processing*. Abstract from 25th European Biomass Conference and Exhibition, Stockholm, Sweden.

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Properties and Possible Applications for Lignin Streams Obtained from Rice Straw Processing

Short introductive summary:

This study aimed to evaluate the chemical and physical properties of lignin streams recovered from rice straw processing and to study the extraction of antioxidant phenolic compounds from these materials. The evaluated samples included two different cellulignin fermentation residues (FR's) and an acid-precipitated lignin from alkaline-deacetylated black liquor (DBLL). For comparison, a standard lignin sample (Kraft lignin, from Sigma-Aldrich) was also assayed. Besides providing a better understanding about such materials, the obtained results made also possible to propose some potential applications for such lignin samples.

Presenter: **Solange MUSSATTO, Technical University of Denmark, Novo Nordisk Foundation Center for Biosustainability, Kongens Lyngby, DENMARK**

Presenter's biography:

Solange Mussatto is Head of a Research Group at the Technical University of Denmark. She has over 18 years of expertise in the areas of Biomass Pretreatment and Fermentation Technology with focus on the development of processes for a sustainable conversion of biomass into bio-based products.

Biographies and Short introductive summaries are supplied directly by presenters and are published here unedited

Co-authors:

R.C.A. Castro, Department of Biotechnology, Engineering College of Lorena, University of São Paulo, Lorena / SP, BRAZIL

I.S. Ferreira, Department of Biotechnology, Engineering College of Lorena, University of São Paulo, Lorena / SP, BRAZIL

I.C. Roberto, Department of Biotechnology, Engineering College of Lorena, University of São Paulo, Lorena / SP, BRAZIL

S.I. Mussatto, Novo Nordisk Foundation Center for Biosustainability, Technical University of Denmark, Kongens Lyngby, DENMARK

Session reference: 3BV.3.23

Subtopic: 3.6 Biorefineries

Topic: 3. BIOMASS CONVERSION TECHNOLOGIES FOR LIQUID AND GASEOUS FUELS, CHEMICALS AND MATERIALS



EUBCE 2017

25TH EDITION

European Biomass
Conference & Exhibition

BOOK OF ABSTRACT SUMMARIES



12 - 15 JUNE
STOCKHOLM - SWEDEN
Stockholmässan